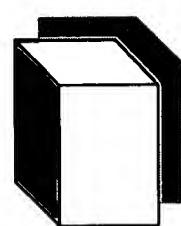


Figure 1

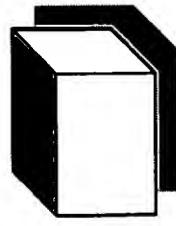
101C Firewall Enterprise 101
00

101b Network

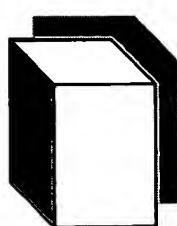
101b Network



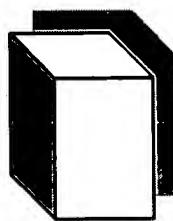
Suppliers
103



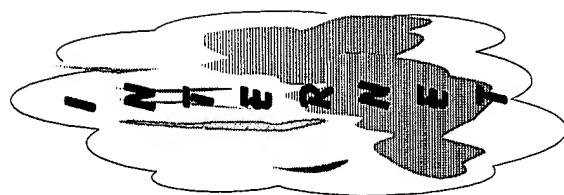
Contract Mfg.
104



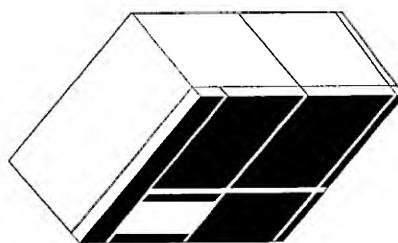
Design Contractor
105



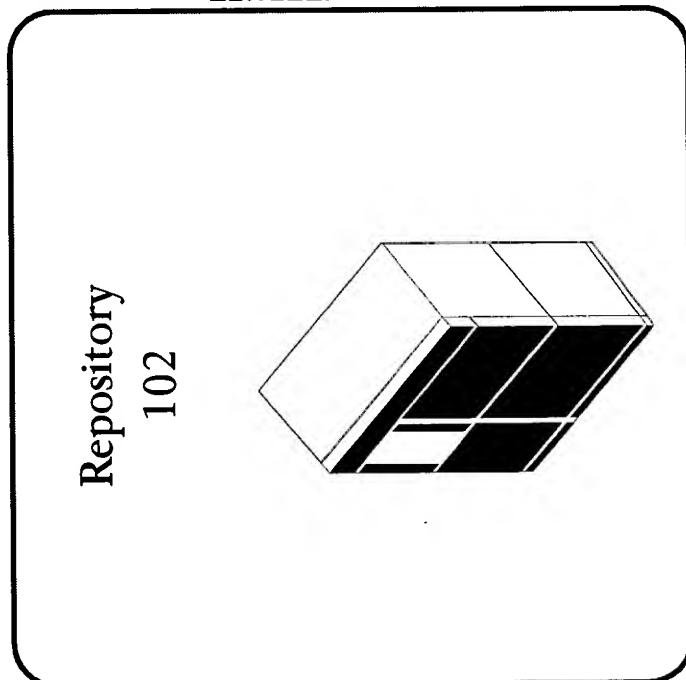
Customer 106



Repository
102



INTERNET



INTERNET

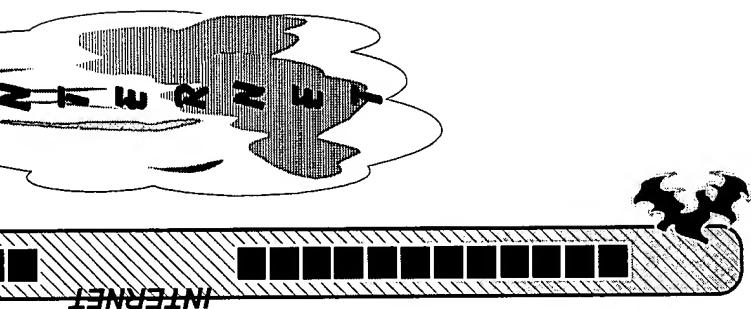
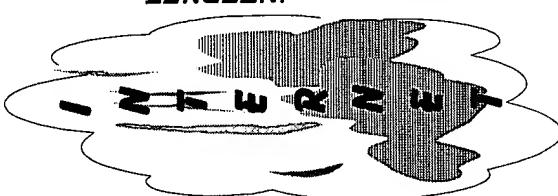


Figure 2

200

Data Records 201

202	203	206	207	208	209	210
Confidentiality 1	Release Status RD	Owning Location Austin	Part Number 84X4773	EC Number	Data Type	Data Form

Access Profile 212

213	214	215	216	217	218
Supplier Name ACME Corp	Supplier Number 824000134	Location Akron, OH	E-Mail data@acme.com	Format Preferences	Access Control Data
userid 235	password 236				225

2D CAD 221 - PDF, HPGL, WordPro 222
3D CAD 223 3D DXF, 3D IGES 224

220

Conf., Rel, RRdy, Austin
Conf., Rel., Poughkeepsie
NonConf., Rel, RRdy, Pre, An

Figure 3

Access Control System 300

Directory 304

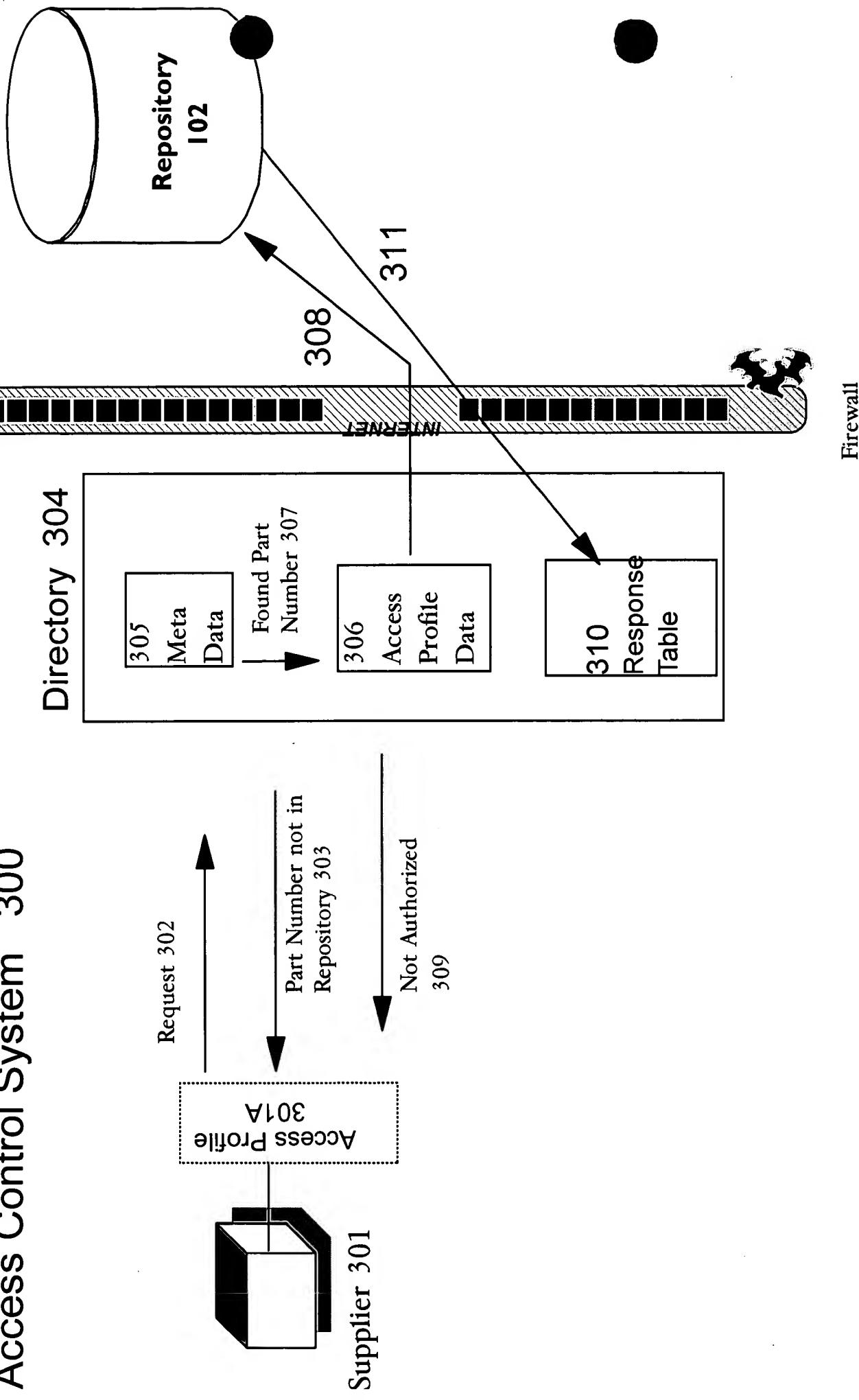


Figure 4

Request Transmission via Access Control System 400

401 Start
402 Logon
403 1stTime?
404 Create Profile
405 Request Part Number
406 Submit
407 In DB?
408 Authorized?
409 Indicate Unavailable & Display P/N formats
410 Display pre-selected formats
411 Override
412 Submit
413 Return requested data
414 END
415 Status Tracking

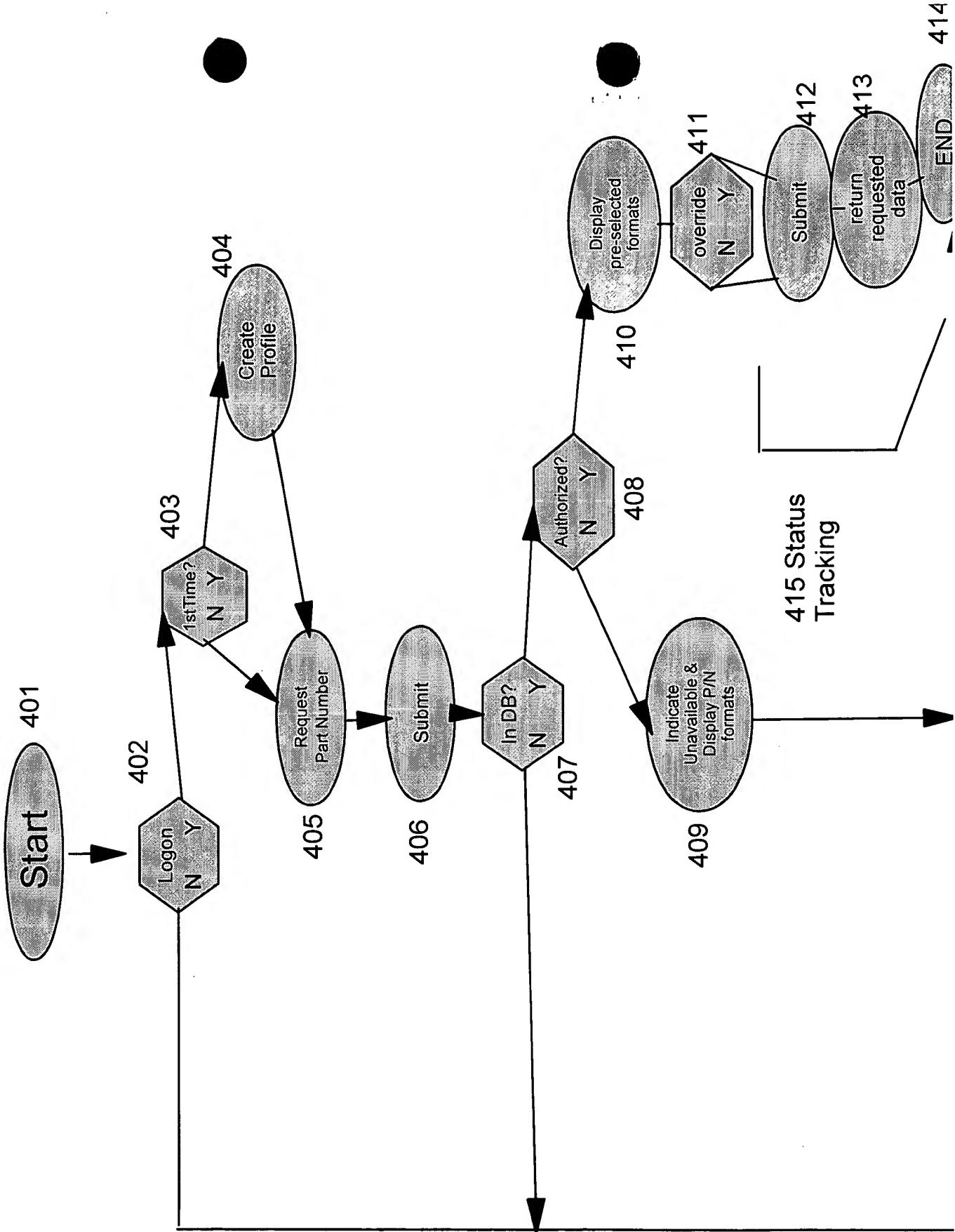


Figure 5a

The screenshot shows the EGI Net e-business portal. At the top, there is a navigation bar with links: Home, Products, Consulting, Industries, News, and About IBM. Below this is a banner with the text "Extended Enterprise e-business" and a large "e" logo. The main content area has a background image of three hands holding a globe. On the left, there are links for Submit New Request, View Existing Requests, and Other Information. On the right, there is a sidebar with a "Related Links" section containing links to IBM Common Registration, Procurement Portal, IBM Worldwide, Privacy, Legal, and Contact.

EGI Net

Home Page

Submit New Request

View Existing Requests

Other Information

View Existing Requests

Submit New Request

Other Information

Related Links

- IBM Common Registration
- Procurement Portal
- IBM Worldwide**
- Privacy Legal Contact

Username and Password Required

Enter username for /eginet at domdetail2.services.ibm.com.

User Name:

Password:

Figure 5b

User File Format Preferences:	<table border="1"><tr><td>2D Format:</td><td><input type="checkbox"/> 2D CADAM Model <input type="checkbox"/> 2D DXF - Drafting Data <input checked="" type="checkbox"/> 2D HPGL - Drafting Data <input type="checkbox"/> 2D HPGL - Schematic Data <input type="checkbox"/> 2D IGES - Drafting Data <input type="checkbox"/> 2D PDF - Drafting Data <input checked="" type="checkbox"/> 2D TIFF - Drafting Data <input type="checkbox"/> 2D Viewport - Drafting Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> CorelDRAW Data <input type="checkbox"/> CorelDRAW PDF Data <input type="checkbox"/> DDLOGIC Data <input type="checkbox"/> DDPHYSI Data <input type="checkbox"/> ECNOTICE Text <input type="checkbox"/> Gerber Data <input type="checkbox"/> IGES Data <input type="checkbox"/> IMAGE Data (IBM IOCA) <input type="checkbox"/> Lotus WordPro Document <input type="checkbox"/> MIF Data <input type="checkbox"/> NCDRL Data <input type="checkbox"/> PKZIP (Compressed) Data <input type="checkbox"/> PostScript Data <input type="checkbox"/> TDIBOM Data <input type="checkbox"/> TDITXT Data <input type="checkbox"/> WordPro PDF Data</td></tr><tr><td>3D Format:</td><td><input type="checkbox"/> 3D DXF - Wireframe Geometry <input type="checkbox"/> 3D IGES - Surface Geometry <input checked="" type="checkbox"/> 3D IGES - Wireframe Geometry <input type="checkbox"/> 3D Pro/E Part <input type="checkbox"/> 3D STEP - Geometry Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> IGES Data</td></tr><tr><td>Other Format:</td><td><input checked="" type="checkbox"/> Nothing</td></tr></table>	2D Format:	<input type="checkbox"/> 2D CADAM Model <input type="checkbox"/> 2D DXF - Drafting Data <input checked="" type="checkbox"/> 2D HPGL - Drafting Data <input type="checkbox"/> 2D HPGL - Schematic Data <input type="checkbox"/> 2D IGES - Drafting Data <input type="checkbox"/> 2D PDF - Drafting Data <input checked="" type="checkbox"/> 2D TIFF - Drafting Data <input type="checkbox"/> 2D Viewport - Drafting Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> CorelDRAW Data <input type="checkbox"/> CorelDRAW PDF Data <input type="checkbox"/> DDLOGIC Data <input type="checkbox"/> DDPHYSI Data <input type="checkbox"/> ECNOTICE Text <input type="checkbox"/> Gerber Data <input type="checkbox"/> IGES Data <input type="checkbox"/> IMAGE Data (IBM IOCA) <input type="checkbox"/> Lotus WordPro Document <input type="checkbox"/> MIF Data <input type="checkbox"/> NCDRL Data <input type="checkbox"/> PKZIP (Compressed) Data <input type="checkbox"/> PostScript Data <input type="checkbox"/> TDIBOM Data <input type="checkbox"/> TDITXT Data <input type="checkbox"/> WordPro PDF Data	3D Format:	<input type="checkbox"/> 3D DXF - Wireframe Geometry <input type="checkbox"/> 3D IGES - Surface Geometry <input checked="" type="checkbox"/> 3D IGES - Wireframe Geometry <input type="checkbox"/> 3D Pro/E Part <input type="checkbox"/> 3D STEP - Geometry Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> IGES Data	Other Format:	<input checked="" type="checkbox"/> Nothing
2D Format:	<input type="checkbox"/> 2D CADAM Model <input type="checkbox"/> 2D DXF - Drafting Data <input checked="" type="checkbox"/> 2D HPGL - Drafting Data <input type="checkbox"/> 2D HPGL - Schematic Data <input type="checkbox"/> 2D IGES - Drafting Data <input type="checkbox"/> 2D PDF - Drafting Data <input checked="" type="checkbox"/> 2D TIFF - Drafting Data <input type="checkbox"/> 2D Viewport - Drafting Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> CorelDRAW Data <input type="checkbox"/> CorelDRAW PDF Data <input type="checkbox"/> DDLOGIC Data <input type="checkbox"/> DDPHYSI Data <input type="checkbox"/> ECNOTICE Text <input type="checkbox"/> Gerber Data <input type="checkbox"/> IGES Data <input type="checkbox"/> IMAGE Data (IBM IOCA) <input type="checkbox"/> Lotus WordPro Document <input type="checkbox"/> MIF Data <input type="checkbox"/> NCDRL Data <input type="checkbox"/> PKZIP (Compressed) Data <input type="checkbox"/> PostScript Data <input type="checkbox"/> TDIBOM Data <input type="checkbox"/> TDITXT Data <input type="checkbox"/> WordPro PDF Data						
3D Format:	<input type="checkbox"/> 3D DXF - Wireframe Geometry <input type="checkbox"/> 3D IGES - Surface Geometry <input checked="" type="checkbox"/> 3D IGES - Wireframe Geometry <input type="checkbox"/> 3D Pro/E Part <input type="checkbox"/> 3D STEP - Geometry Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> IGES Data						
Other Format:	<input checked="" type="checkbox"/> Nothing						

Figure 5C

Electronic Graphic Interchange Request				
Request Number:				
Submitted By:	Matthew Rosenthal @ IBM			
IBM Part Number:	Engineering Change #	Formats Available	Status	Release Date
000003710319	10000E7348xx	<input type="checkbox"/> 2D PDF - Drafting Data <input type="checkbox"/> 2D DXF - Drafting Data <input checked="" type="checkbox"/> 2D HPGL - Drafting Data <input type="checkbox"/> 2D IGES - Drafting Data <input type="checkbox"/> 2D Viewport - Drafting Data <input type="checkbox"/> 3D DXF - Wireframe Geometry <input checked="" type="checkbox"/> 3D IGES - Wireframe Geometry <input type="checkbox"/> 3D Pro/E Part <input type="checkbox"/> 3D STEP - Geometry Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> 3D IGES - Surface Geometry <input type="checkbox"/> Bill of Materials	RD	2000-06-15
BRACKET				

IBM Site: Amsterdam

Figure 5d

The screenshot shows the EGI Net software interface. At the top, there is a navigation bar with links for Home, Products, Consulting, Industries, News, and About IBM. Below the navigation bar, the title "View existing requests" is displayed. A sub-header "Download IBM Part# EC Num File Type Date Sent Date Downloaded Sent By" is followed by a list of four items:

- 1: New Requests
- 2: Work in Progress
- 3: Ready for Download
- 4: Download Complete

Below this list, there is a section titled "View existing requests" with a table header:

Download IBM Part#	EC Num	File Type	Date Sent	Date Downloaded	Sent By
--------------------	--------	-----------	-----------	-----------------	---------

The table contains the following data:

0000037L0319	10000E73488X	2D HPGL - Drafting Data			Eginet Support
0000011DP001	10000SYTST1M	2D DXF - Drafting Data			Eginet Support
0000011DP003	10000SYTST2A	2D HPGL - Drafting Data	09/14/2000 02:19:45 PM		Eginet Support
0000011DP003	10000SYTST2A	3D IGES - Surface Geometry	09/14/2000 02:20:25 PM		Eginet Support
0000011DP003	10000SYTST2A	2D DXF - Drafting Data	09/14/2000 02:19:48 PM	09/14/2000 04:14:16 PM	Eginet Support

At the bottom of the interface, there are sections for "Toolbar", "Previous", "Expand", "Collapse", "Next", "Download Files", "Related Links", and links for "IBM Calendars", "Registration", "Procurement Portal", "IBM Worldwide", "Privacy", "Legal", and "Contact".

Figure 6

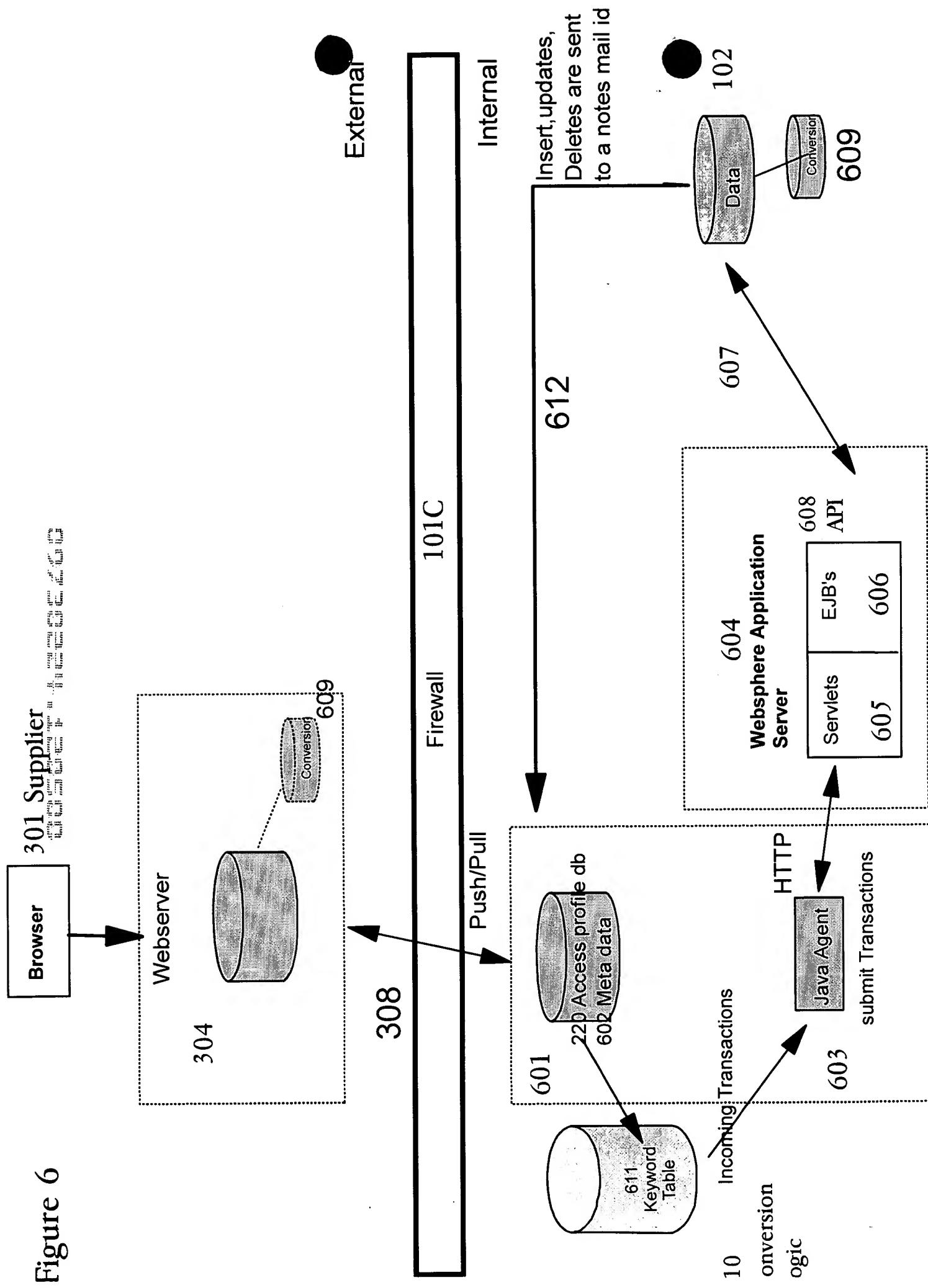


Figure 7

Conversion logic Process 700

Start
Parse Request 308
N Translation Req'd?
Y Multiple Formats?
Access Keyword Table
Select optimal stored format
Format Transaction w/translation
End

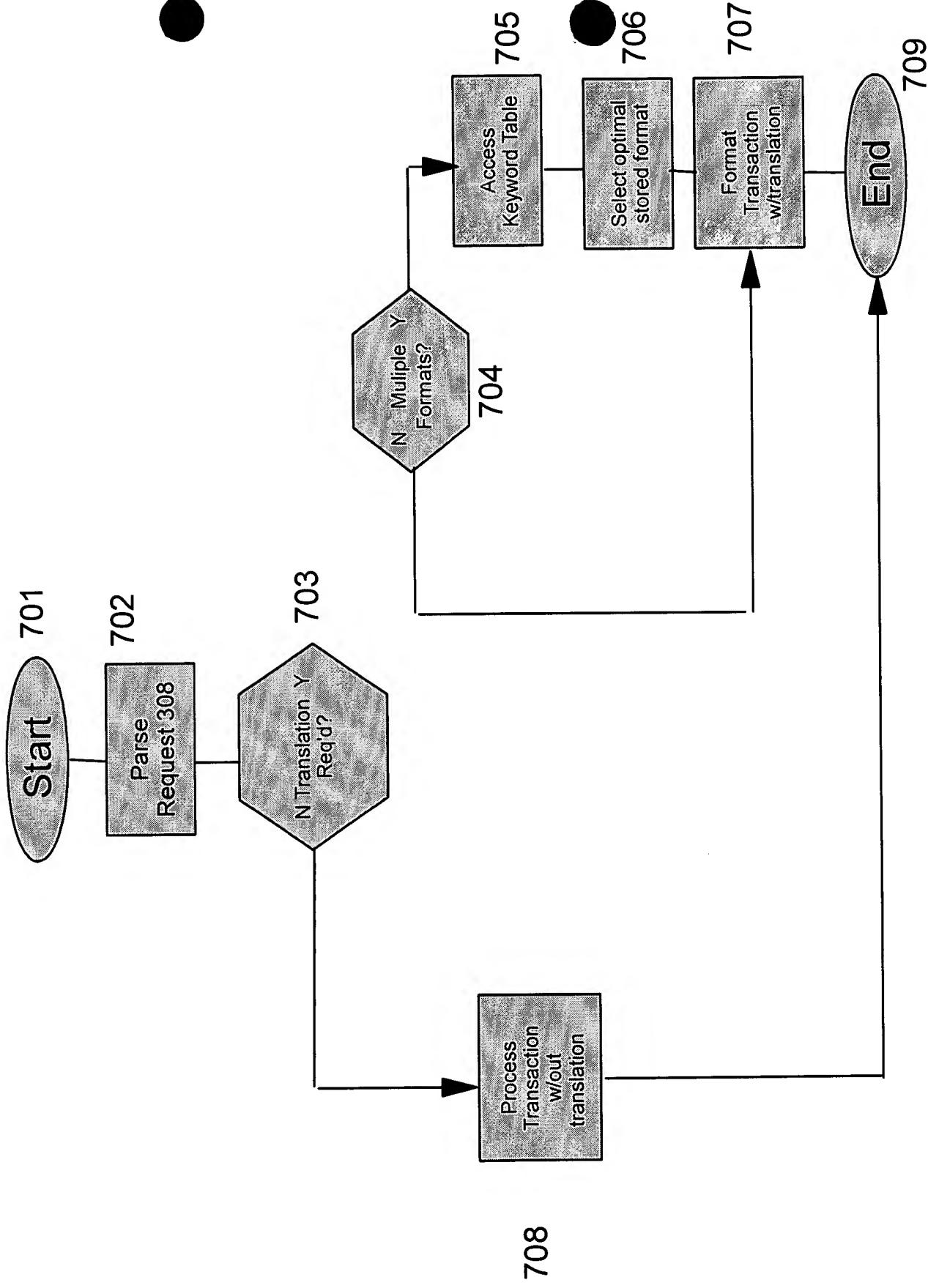


Figure 8

Keyword Table 800

EGINET Map Tables	Precedence	DType	DForm	Format
► 2D CADAM Model				
► 2D DXF - Drafting Data				
► 2D HPGL - Drafting Data				
► 2D HPGL - Schematic Data				
► 2D IGES - Drafting Data				
► 2D PDF - Drafting Data				
► 2D TIFF - Drafting Data				
► 2D Viewport - Drafting Data				
801	802			
Descript	Precedence	DType	DForm	Format
► 2D CADAM Model	1	CADAM	DRAW	2D Format File
► 2D DXF - Drafting Data	1	CATIA	DRAW	2D Format File
	2	CATIA	MODEL	2D Format File
	3	CATIA	SIMPL	2D Format File
► 2D HPGL - Drafting Data	1	HPGL	* (all dforms)	2D Format File
	2	CATIAPLT	HPGL	2D Format File
	3	CADAM	DRAW	2D Format File
	4	CATIA	DRAW	2D Format File
	5	CATIA	MODEL	2D Format File
► 2D HPGL - Schematic Data	1	HPGLSCH	* (all dforms)	2D Format File
► 2D IGES - Drafting Data	1	IGESE	DRAW	2D Format File
	2	CATIA	DRAW	2D Format File
	3	CATIA	MODEL	2D Format File
	4	CATIA	SIMPL	2D Format File

Figure 9

